

Summarization of several Grocery Lists

A Project of the German government-based Hackathon #WirVsVirus



One for All Grocery App - Challenge-IDs: 0978, 1095

Dear Developer, Manager and/or Grocery List Friend,

The Corona crisis confronts us all with new challenges. Elderly people should no longer go outside, suspicious cases must stay at home and we should not meet our friends. Nevertheless, we have to supply ourselves with food, medicine and hygiene articles.

To make shopping as efficient and corona compatible as possible the best is, if one person does the shopping for several households at once - and we should provide a good grocery list app for the person, which

- Summarizes the grocery lists of the several households in one *Summary-List*
- Still keeps the *Single-Lists* of every household so that the Summary-List can be split again during or after the shopping tour
- *Categorizes* the products so that the shopping tour and the walk through the supermarket can be planned well
- On top of that it would be great if people could create a *public account* with their location in order to offer or to ask for shopping support

We, the Team of the One for All Grocery App, would be grateful if you support our idea. The best way to do so is by implementing the befornamed features in your already existing grocery list app!

Please find a detailed problem description attached.

Best,

The One for All Grocery App - Team

Key Functions

Create a Single-Grocery-List

- A beggar wants to create and edit a shopping list
- A beggar wants to indicate how much (Liters, gramms, pieces) of a product he needs

Teambuilding

The App must support Teams.

- Citizens can create teams
- Citizens can share their Single-Lists with the team
- Citizens can un-/register from/into the team

One for All Shopping

The key feature! Only one team member goes shopping for all team mates!

- The shopper wants to decide which of the Single-Lists he can handle
- The shopper wants to see a Summary-List of the Single-Lists selected
e.g. Tim needs 2 apples, Maya 3 and Sina 1. Sina goes shopping and gets a Summary-List for 6 apples
- The shopper still wants to see the Single-Lists
 - either he can take a look at the Single-Lists of every beggar after the shopping tour to split the big shopping basket
 - or he can retrieve the composition of the Summary-List during his shopping tour in order to partition the products into different shopping baskets while taking the products out of the shelf

Apples	6 pieces
Tim	2 pieces
Maya	3 pieces
Sina	1 pieces

Community Functions

Public Accounts

- Citizens can register if they want to participate in a team
[name, adresse, beggar, shopper]
- Citizens can build teams based on their location
- Shoppers can select Single-Lists of beggars nearby and do the shopping

Add-Ons

Categorization

- The shopper needs a rough categorization of the products in order to split his shopping tour to different stores
[supermarket, pharmacy, drugstore, post office]
- The shopper can be supported with a granular categorization of product types to optimize the walk through the supermarket
e.g. at first fruits, than vegetables, than milk products and in the end sweets

Delivery

- The beggar communicates the delivery procedure in the app
e.g. leave the food at the front door

Billing

- The shopper enters the prices for the joint orders the app splits the costs
e.g. Sina payed 3€ for the 6 apples so Tim has to pay 1€, May 1.50€ and Sina herself 0.50€
- An OCR-Scan of the bill would be the most efficient solution